

Work Experience

BuildZoom | Software Engineer

January 2017 - April 2017 | San Francisco, CA

- Implemented and shipped several projects with Ruby on Rails and MySQL
- Engineered and developed statistical models with Python and Redshift
- Built multiple data related projects to help improve company operations
 - Model to confidently approve and reject user reviews
 - Analyzed permit data to predict a contractor's budget range
 - Rebuilt the contractor building permit aggregation system

Kik Interactive | Web Developer - Bots Team

May 2016 - August 2016 | Waterloo, ON

- Shipped 12,000+ lines of Python and AngularJS on Google AppEngine
- Updated and maintained our public Python and NodeJS bot APIs
- Introduced statistical methods into the development of multiple projects
 - Algorithm to quantify the popularity of individual bots
 - Alert and monitoring system to track bots' health statuses

Kik Interactive | Release & QA

September 2015 - December 2015 | Waterloo, ON

- Led testing efforts for multiple new features
- Designed and executed black box testing plans for unreleased features
- Collaborated with project leads and developers throughout testing

Recent Projects

Review Classification | BuildZoom

March 2017 - April 2017

Researched and developed a statistical model to automatically approve and reject reviews on our website. Implemented the model in production and effectively cut down the number of reviews requiring manual approval by 70% with a 90% accuracy rate.

Baseball Predictions | Personal Project

March 2017 - *Present*

Working on a project to predict the real-time standings of a baseball game by using content from Reddit threads. I'm building a time series model that attempts to forecast a game's Vegas Odds by analyzing trends in its respective comment thread.

Bot Health Check System | Kik Interactive

August 2016

Created and implemented a system to track the health status' of bots on Kik. When requested, a script would run to collect relevant info about a specific bot and uses hypothesis testing to compare it against the current platforms' expected values. A frontend dashboard was created to present this information, along with recent history, for the internal teams.

Education

University of Waterloo

Double BMath | Expected 2018

Computational Math & Statistics
Minor in Computer Science

Links

LinkedIn:// ahussain5

GitHub:// alihussain5

Technical Skills

Intermediate

- Python
- Ruby on Rails
- C/C++
- HTML/CSS
- R
- Racket/Lisp

Novice

- JavaScript
- AngularJS
- NodeJS
- MySQL
- Postgres

Miscellaneous

- RESTful Protocols
- Data Structures & Algorithms
- Statistics & Probability
- Web Development
- AWS S3, Redshift
- Bash
- Git

Hobbies & Interests

- Baseball
- Fitness and Nutrition
- Programming
- IT and Networking
- Puzzles and Problem Solving
- Video Games